

Name _____

Date _____ Block _____

GRAPHING AND ANALYZING TRIG FUNCTIONS**For each problem:**

A. Find the amplitude

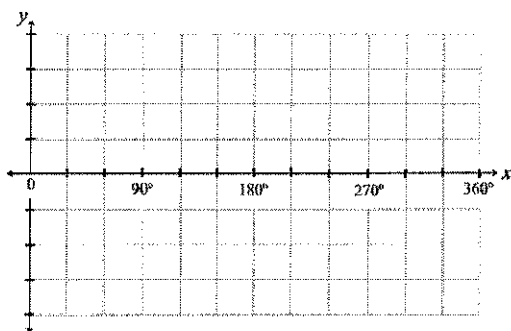
B. Find the period in degrees and radians

C. Graph the function from 0 to 360 degrees or 0 to 2π radians

1) $y = 5 \sin 4x$

A.

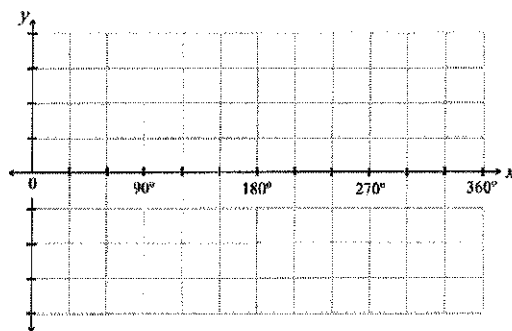
B.



2) $y = -3 \cos 2x$

A.

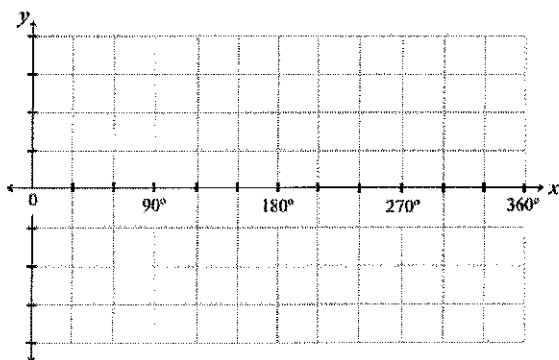
B.



3) $y = \sin 3x$

A.

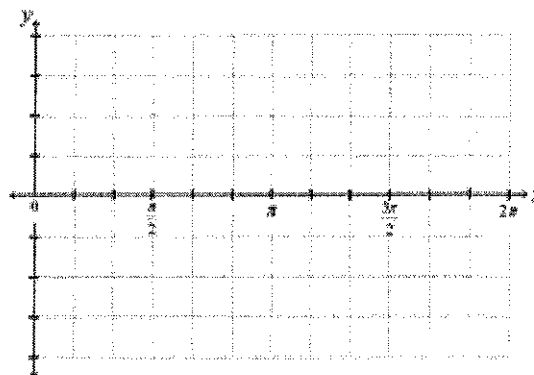
B.



4) $y = -\cos x$

A.

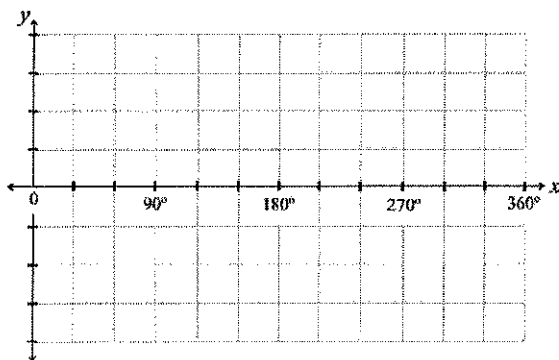
B.



5) $y = 2 \sin \frac{1}{2}x$

A.

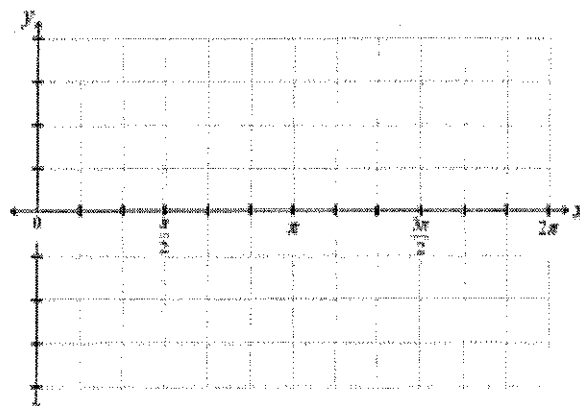
B.



6) $y = 4 \cos x$

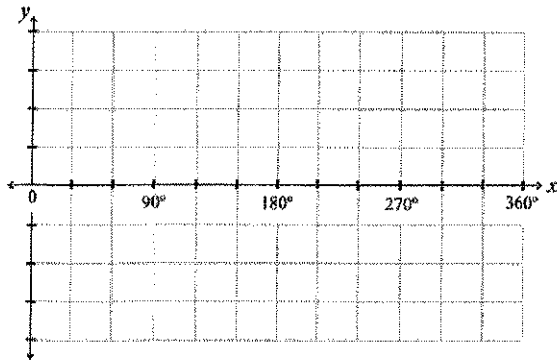
A.

B.



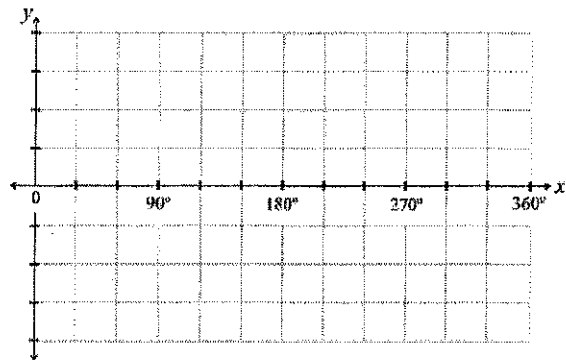
7) $y = -2\sin 6x$

A. B.



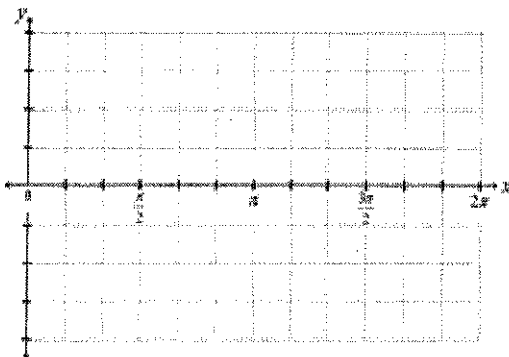
8) $y = 10\sin \frac{1}{4}x$

A. B.



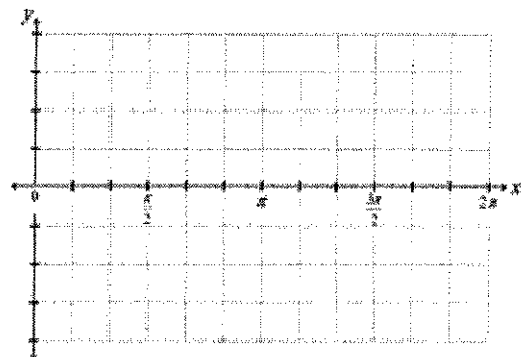
9) $y = 3\cos \frac{1}{2}x$

A. B.



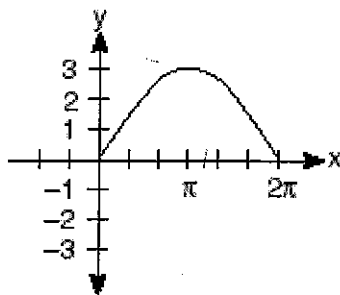
10) $y = \frac{1}{2}\cos 2x$

A. B.

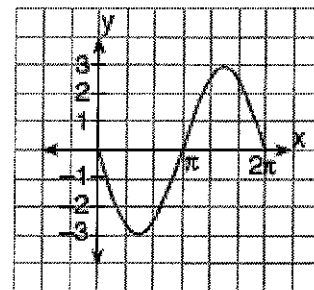


Write the equation for each graph:

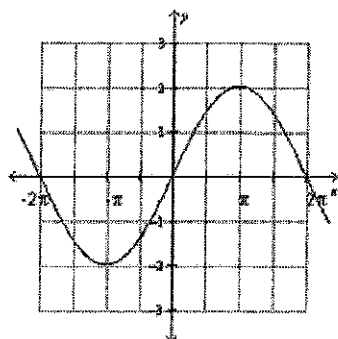
11)



12)



13)



14)

